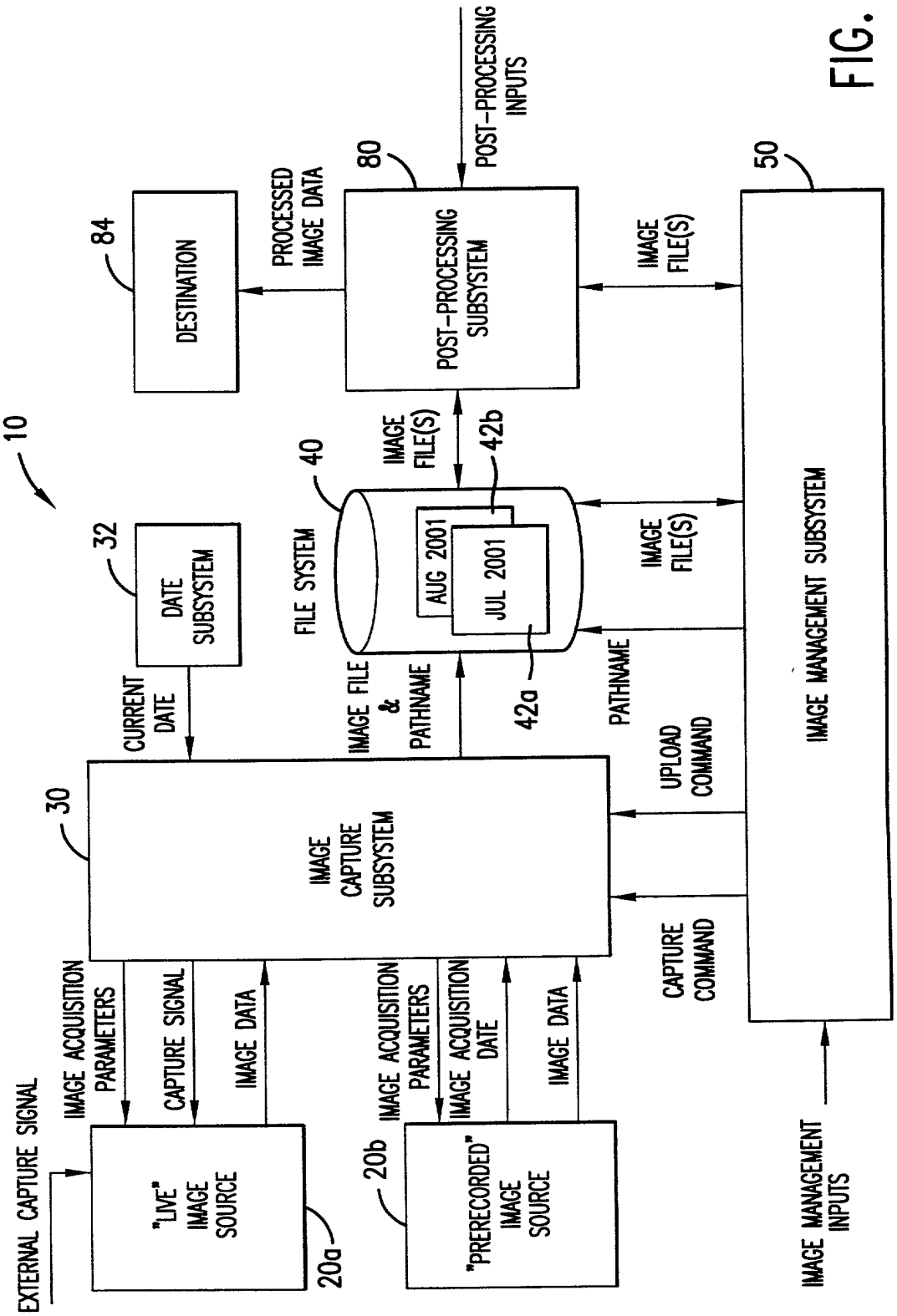
10
EXTERNAL CAPTURE SIGNAL
"LIVE" IMAGE SOURCE
20a
"PRERECORDED" IMAGE SOURCE
20b
IMAGE ACQUISITION PARAMETERS
CAPTURE SIGNAL
IMAGE DATA
IMAGE ACQUISITION PARAMETERS
IMAGE ACQUISITION DATE
IMAGE DATA
30
IMAGE CAPTURE SUBSYSTEM
CURRENT DATE
32
DATE SUBSYSTEM
IMAGE FILE & PATHNAME
42a
FILE SYSTEM
40
AUG 2001
JUL 2001
42b
IMAGE FILE(S)
PATHNAME
UPLOAD COMMAND
CAPTURE COMMAND
IMAGE MANAGEMENT SUBSYSTEM
50
IMAGE MANAGEMENT INPUTS
IMAGE FILE(S)
80
POST-PROCESSING SUBSYSTEM
POST-PROCESSING INPUTS
PROCESSED IMAGE DATA
84
DESTINATION

FIG. 1

COPY OF PAPER
ORIGINALLY FILED

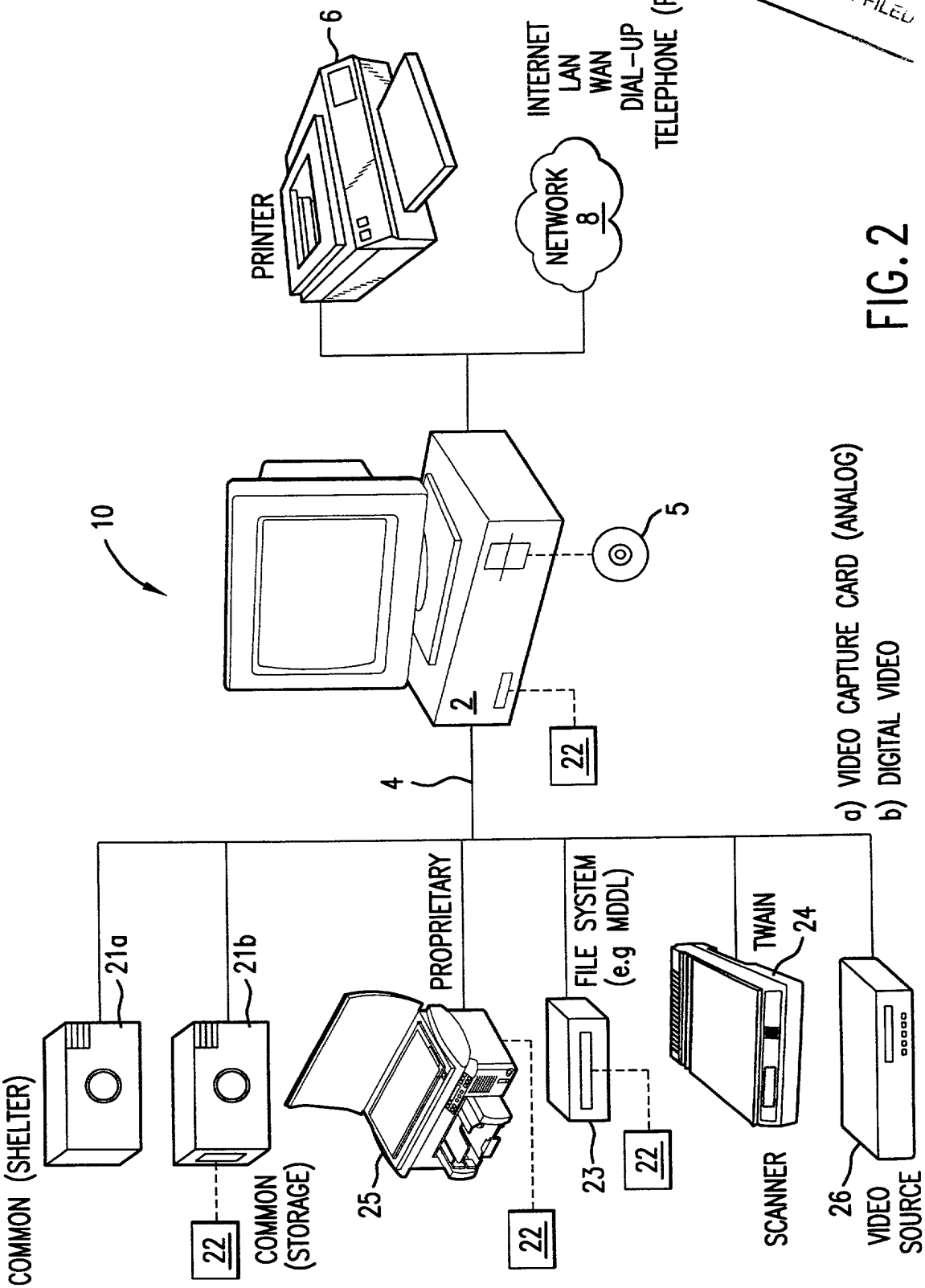

FIG. 2

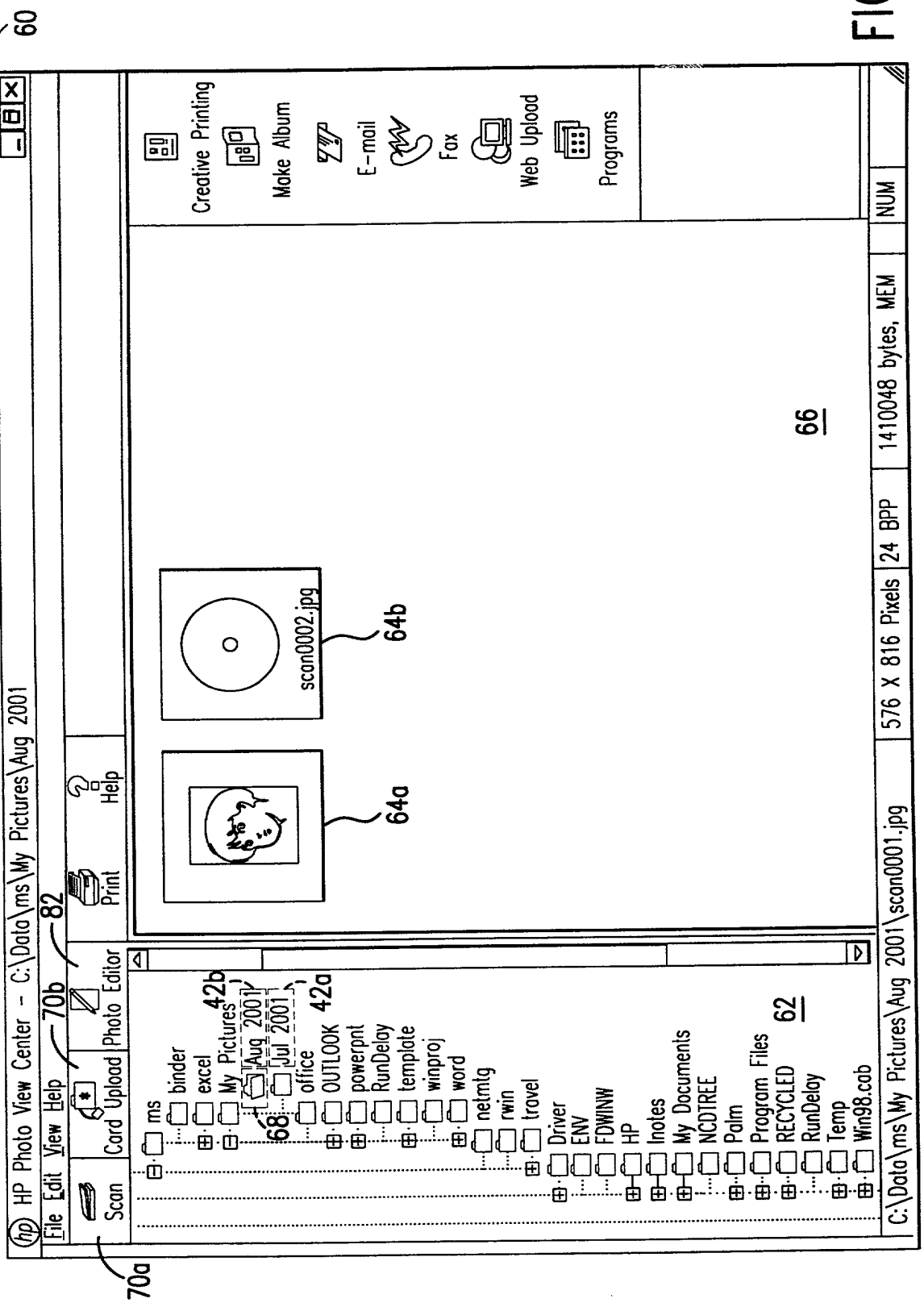
60
HP Photo View Center - C:\Data\ms\My Pictures\Aug 2001
File Edit View Help
Scan
Card Upload
Photo Editor
Print
Help
Creative Printing
Make Album
E-mail
Fax
Web Upload
Programs
scan0002.jpg
64b
64a
66
70a
70b
82
68
42b
42a
62
ms
binder
excel
My Pictures
Aug 2001
Jul 2001
office
OUTLOOK
powerpnt
RunDelay
template
winproj
word
netmtg
rwin
travel
Driver
ENV
FDWINW
HP
Inotes
My Documents
NCDTREE
Palm
Program Files
RECYCLED
RunDelay
Temp
Win98.cob
C:\Data\ms\My Pictures\Aug 2001\scan0001.jpg
576 X 816 Pixels
24 BPP
1410048 bytes, MEM
NUM

FIG. 3

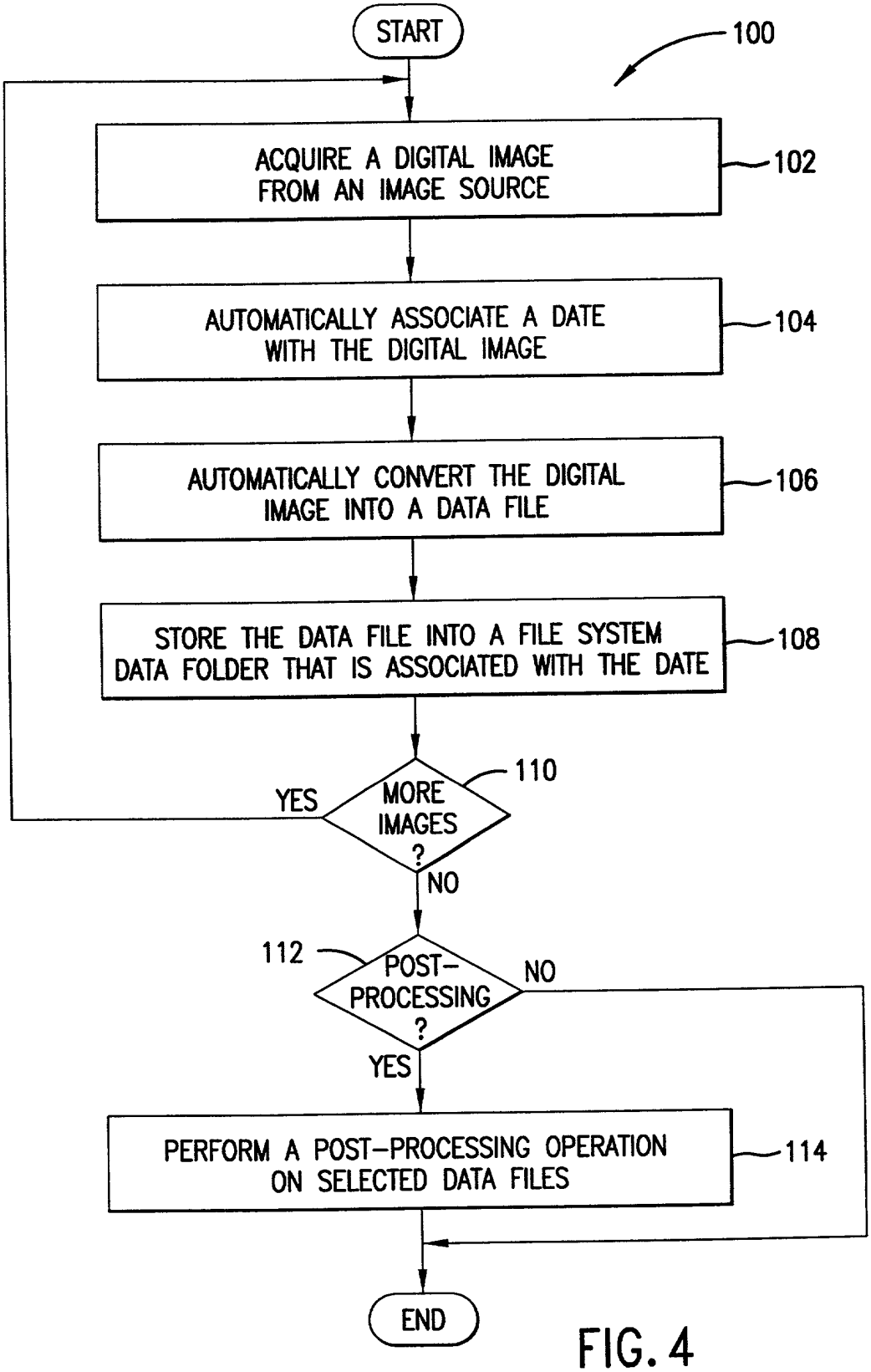
START
100
ACQUIRE A DIGITAL IMAGE FROM AN IMAGE SOURCE
102
AUTOMATICALLY ASSOCIATE A DATE WITH THE DIGITAL IMAGE
104
AUTOMATICALLY CONVERT THE DIGITAL IMAGE INTO A DATA FILE
106
STORE THE DATA FILE INTO A FILE SYSTEM DATA FOLDER THAT IS ASSOCIATED WITH THE DATE
108
MORE IMAGES ?
110
YES
NO
POST-PROCESSING ?
112
NO
YES
PERFORM A POST-PROCESSING OPERATION ON SELECTED DATA FILES
114
END

FIG. 4

09542503 - 021403

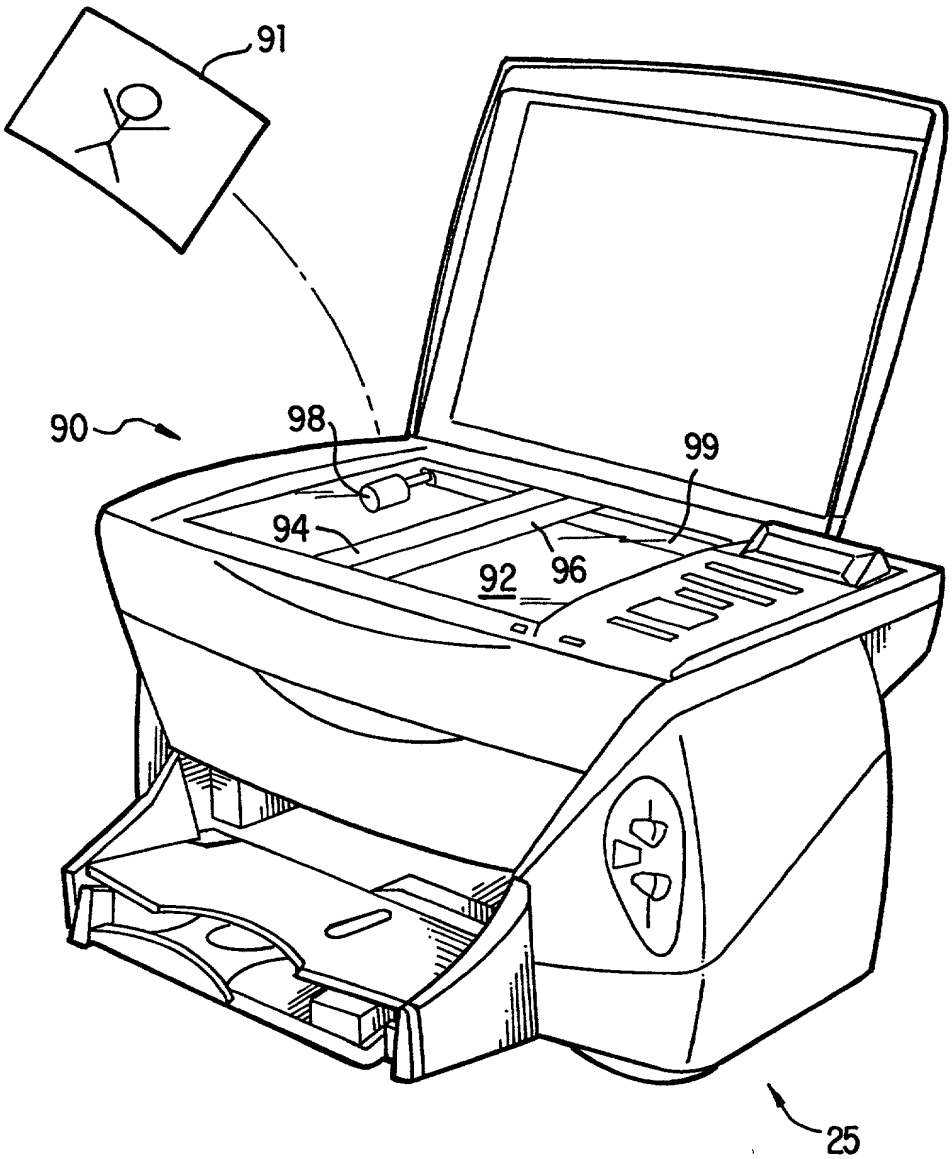

FIG.5

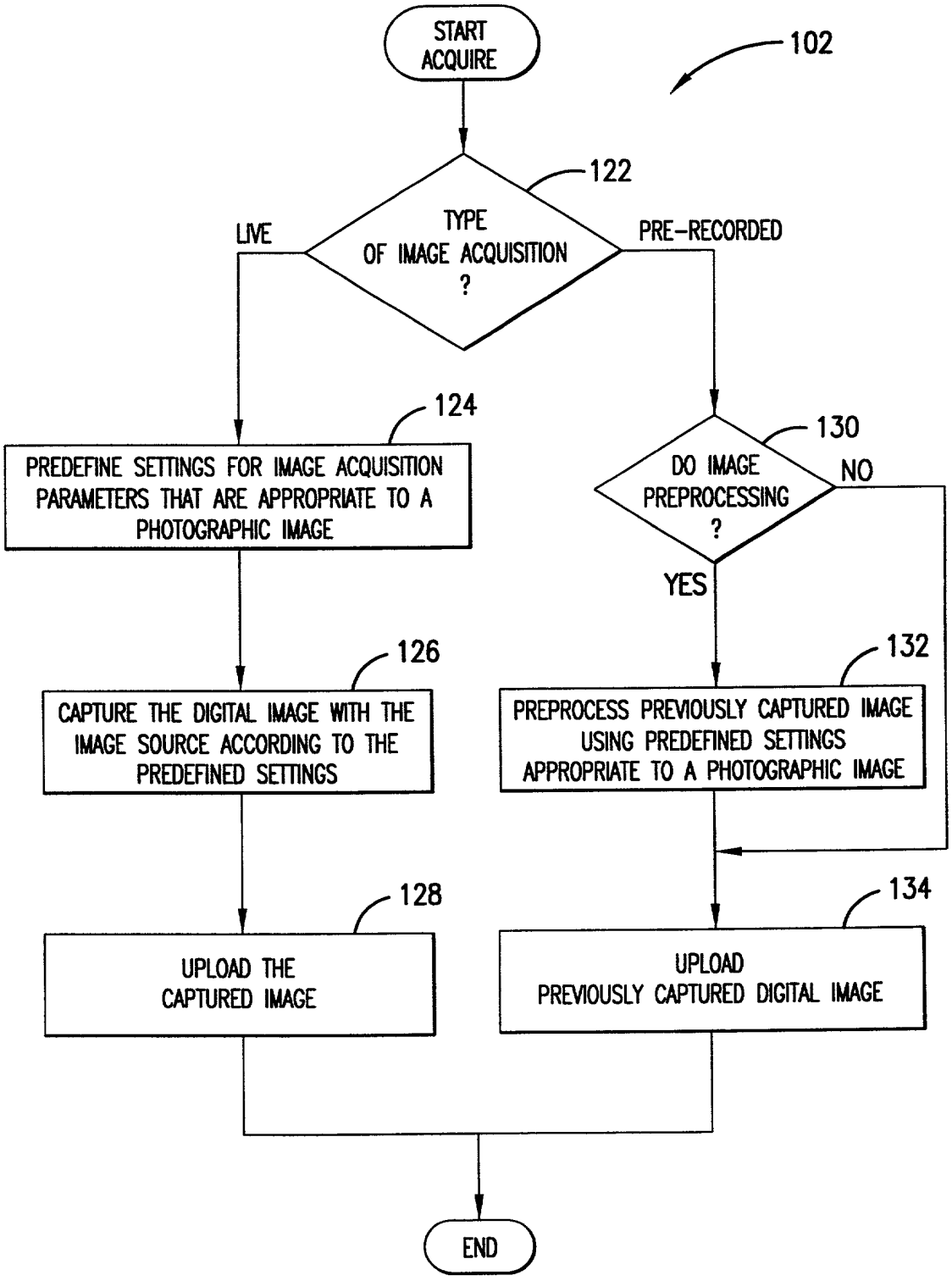
START ACQUIRE
102
122
TYPE OF IMAGE ACQUISITION ?
LIVE
PRE-RECORDED
124
PREDEFINE SETTINGS FOR IMAGE ACQUISITION PARAMETERS THAT ARE APPROPRIATE TO A PHOTOGRAPHIC IMAGE
130
DO IMAGE PREPROCESSING ?
NO
YES
126
CAPTURE THE DIGITAL IMAGE WITH THE IMAGE SOURCE ACCORDING TO THE PREDEFINED SETTINGS
132
PREPROCESS PREVIOUSLY CAPTURED IMAGE USING PREDEFINED SETTINGS APPROPRIATE TO A PHOTOGRAPHIC IMAGE
128
UPLOAD THE CAPTURED IMAGE
134
UPLOAD PREVIOUSLY CAPTURED DIGITAL IMAGE
END

FIG. 6

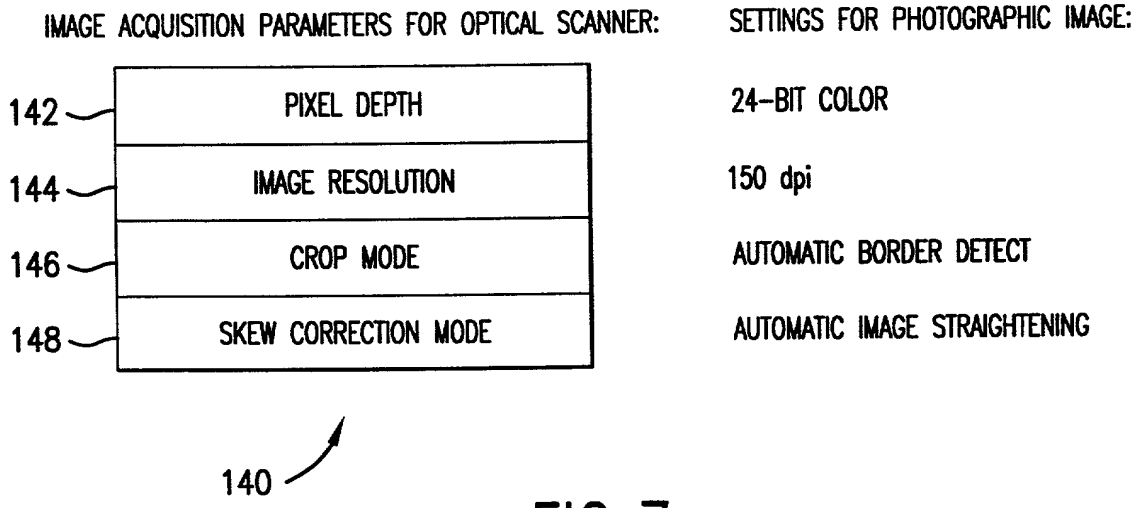
IMAGE ACQUISITION PARAMETERS FOR OPTICAL SCANNER:
SETTINGS FOR PHOTOGRAPHIC IMAGE:
142
PIXEL DEPTH
24-BIT COLOR
144
IMAGE RESOLUTION
150 dpi
146
CROP MODE
AUTOMATIC BORDER DETECT
148
SKEW CORRECTION MODE
AUTOMATIC IMAGE STRAIGHTENING
140

FIG. 7